

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :

B01D 39/08, 25/133, D21F 7/08

A1

(11) International Publication Number:

WO 00/48707

(43) International Publication Date:

24 August 2000 (24.08.00)

(21) International Application Number: PCT/FI00/00105

(22) International Filing Date: 14 February 2000 (14.02.00)

(30) Priority Data:

990334

17 February 1999 (17.02.99)

FI

(71) Applicant (for all designated States except US): TAMFELT OYJ ABP [FI/FI]; Yrittäjänkatu 21, FIN-33710 Tampere (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): OKSANEN, Esa [FI/FI]; Ritalankatu 30 G 32, FIN-33400 Tampere (FI). HEIKKILÄ, Aarne-Matti [FI/FI]; Saarenkärjenkatu 4 C, FIN-33300 Tampere (FI).

(74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).

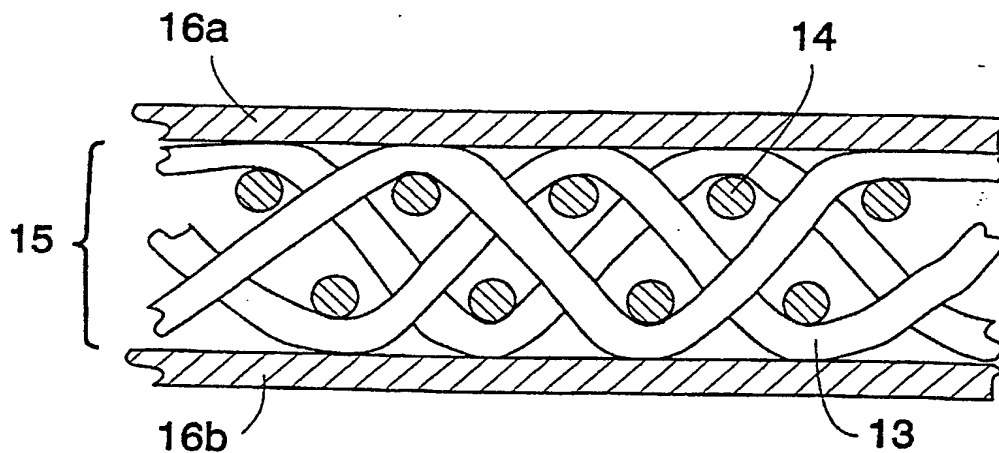
(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (Utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: FILTER CLOTH



(57) Abstract

The invention relates to a filter cloth intended for a filter which has a variable volume and is based on diaphragm extrusion, particularly for a Larox®-type vertical pressure filter. The filtering properties of the filter cloth (5) are substantially similar in both directions through the cloth since slurry containing liquid and solids is alternately placed on the different sides of the filter cloth. The filter cloth of the invention comprises a middle layer (15) and protective layers (16a, 16b; 17a, 17b) provided on both outer surfaces of the middle layer. The middle layer can have e.g. a woven structure, and the protective layers may be slub layers attached to the middle layer by needling. The protective layers according to the invention are denser than the middle layer.